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SHOW. LTS 240 Diversity C+D

SOUNDS LIKE LEWITT

Thank you that you have opted for a LEWITT product. In this operating manual you will learn more about your LEWITT microphone, its handling and its proper usage.

Reasonably priced, sophisticated and yet easy-to-use wireless vocal systems which deliver solid, distortion-free sound and excel in a variety of semi-professional studio and live applications. That's what LEWITT's tech-engineers had in mind when they created the LTS series. No matter whether at small live gigs, conferences, regional events or karaoke performances, LTS wireless systems are the first choice for ambitious entry- and mid-level users looking for the perfect combination of consistent performance, smart operation and remarkable audio quality.

Users can choose between systems with condenser or dynamic capsules, and all LTS sets feature handheld transmitters and full metal half-rack receivers.

Unplug and dive into a great new wireless experience.

LEWITT wishes you a lot of fun and success with this product!

LTS 240 Diversity C+D

With the LTS 240 Diversity C and the LTS 240 Diversity D systems, LEWITT introduces rugged, reliable and easy-to-use wireless systems designed to add a remarkable quality to performances of ambitious entry-level users. Perfectly suited for use on small stages, at club gigs, regional events or in houses of worship, these reasonably priced wireless systems withstand the rigors of regular stage use and deliver reliable performance in any setting. Convenient and easy setup makes these wireless systems the perfect choice for young bands, entertainers and karaoke professionals.

Users can choose between systems with condenser (LTS 240 Diversity C) or dynamic capsules (LTS 240 Diversity D). Each set contains a quality handheld transmitter featuring a convenient LED display indicating battery status, a quick-acting screw thread closure and a rotary switch for frequency selection, as well as a rugged diversity half-rack receiver featuring four pre-programmed frequencies selectable via pushbuttons.

In short, the LTS 240 Diversity C and the LTS 240 Diversity D systems offer everything that users expect from versatile, modern and durable entry-level wireless systems.

Features

- LTS 240 Diversity C and Diversity D wireless systems are a top choice for ambitious entry-level users and performances in various acoustic environments
- The LTS 240 Diversity C set includes one handheld transmitter featuring a quality condenser capsule and a half-rack receiver with a sturdy metal housing
- The LTS 240 Diversity D set includes one handheld transmitter featuring a quality dynamic capsule and a half-rack receiver with a sturdy metal housing
- Four-part RF- and AF-level LED display
- Transmitters are equipped with two AA batteries for up to ten hours of continuous performance, an LED display indicating battery status, an On/Off/Mute switch and a rotary switch for frequency selection
- Receiver features four pre-programmed frequencies selectable via pushbuttons, FM modulation, UHF antennas, XLR and unbalanced (6,3 phone plug) outputs
- Squelch and volume level controls
- Hardened hexagonal steel mesh grille to prevent wear and abuse
- Half-rack all-metal case receiver with a matte black finish
- Set comes in a cardboard box with foam layers and includes LTS 40 MCs shock mount

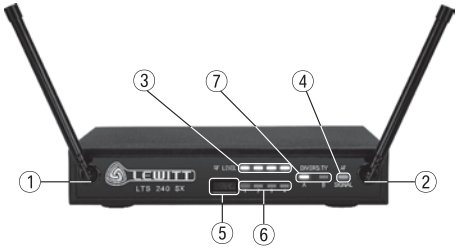
Top applications

- Lead and background vocals

User-interface

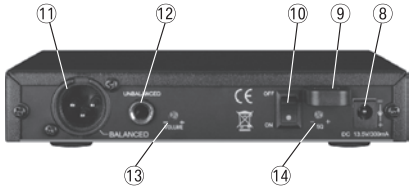
Receiver front

① Antenna A
② Antenna B
③ RF signal level LED meter
④ Audio signal level LED meter
⑤ Channel selection push button
⑥ Channel selection LED indicator
⑦ Active antenna indicator



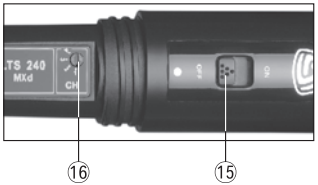
Receiver back

⑧ DC power socket
⑨ Power cable security latch
⑩ On/Off switch
⑪ Balanced, male XLR output socket
⑫ Unbalanced, 6,3mm phone output socket
⑬ Volume control
⑭ Squelch control



Handheld transmitter

⑮ On/Mute/Off slide switch
⑯ Channel selector



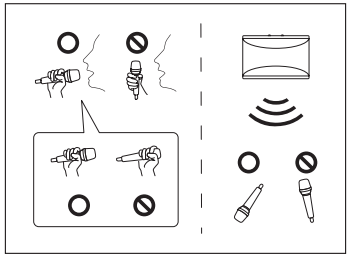
Quick start

1. Connect the power supply to mains and the receiver ⑧. We recommend to secure the power cable with the security latch ⑨ on the backside of the receiver.
2. Make sure that the volume of your mixer is turned down before you connect the receiver via a balanced ⑪ or unbalanced ⑫ cable.
3. Then turn on the receiver with the on/off switch on the backside ⑩.
4. Open the transmitter body and insert two AA batteries.
5. Turn the transmitter on ⑮ and make sure the channel selection ⑯ matches the one on the receiver ⑥.
6. Adjust the volume level ⑬ on the backside of the receiver and on your mixer to the desired level.

Best performance

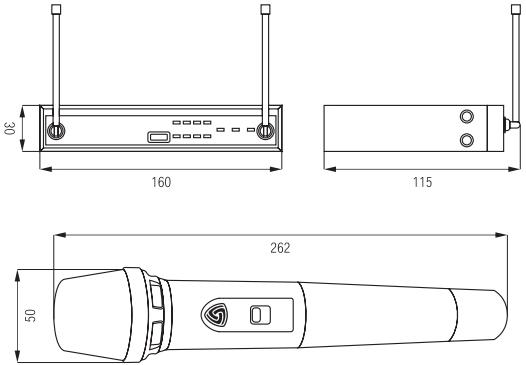
7. Use balanced XLR cables in order to avoid EMI effects.
8. Position the receiver in a reasonable distance to metal surfaces, walls and other RF equipment.
9. Check which channel provides the most reliable sound transmission in your specific setup.
10. Adjust the squelch control ⑭ according to the size of your venue. Turn the squelch control to plus ⊕ for long operating range. Decrease the operating range and improve the signal reception by turning the squelch control to minus ⊖.

Hints



1. In order to prevent feedback (howling):
   - Lower the volume.
   - Place the microphone so that it is not pointed to the speaker and that there is a sufficient distance between the microphone and the speaker.
   - Do not cover the lower part of the grille with your hand.
2. Positioning the microphone close to the sound source causes the so-called proximity effect (a boost in the low frequency response). This phenomenon can be used to create a richer and warmer bass sound.

Dimensions



Tech data

Transmitters

- Transmission principle: UHF, FM, diversity
- Directional pattern: cardioid
- Available channels: 4 selectable channels
- Modulation: FM (25 kHz max. deviation), compander system with pre- and de-emphasis
- Audio bandwidth: 70 ... 18.000 Hz
- THD: < 0,5 % typical
- Signal / noise ratio: > 85 dB-A typical
- RF radiation: 10 mW
- Battery life: 2 pcs AA size dry batteries, 10 hours typ.
- Dimensions: 50 dia. x 262 mm
  1,96 dia. x 10,3 inch
- Net weight: 258 g
  9,1 oz.

Receiver

- Audio outputs: balanced 3-pin XLR, unbalanced TS 1/4" jack
- Gain adjustment range: 0 - 6 dB
- Squelch: yes
- Dimensions: 160 x 115 x 30 mm
  6,3 x 4,5 x 1,2 inch
- Net weight: 540 g
  19,0 oz.

Accessories

AA Batteries

LTS 40 MCs

Power Supply

Cautions

- The capsule is a sensitive, high precision component. Make sure you do not drop it from high heights and avoid strong mechanical stress and force.
- To ensure high sensitivity and best sound reproduction of the microphone, avoid exposing it to moisture, dust or extreme temperatures.
- Keep this product out of the reach of children.
- Do not use force on the switch or cable of the microphone.
- When disconnecting the microphone cable, grasp the connector and do not pull the cable.
- Do not attempt to modify or fix it. Contact qualified service personnel in case any service is needed. Please do not disassemble or modify the microphone for any reasons as this will void users warranty.
- The casing of the microphone can be cleaned easily using a wet cloth, never use alcohol or another solvent for cleaning. If necessary the foam wind stopper can be washed with soap water. Please wait till it is dry before using it again.
- Also please refer to the owner's manual of the component to be connected to the microphone.

Warranty

All products manufactured by LEWITT GmbH feature a limited two-year warranty. This two-year warranty is specific to the date of purchase as shown on your purchase receipt.

LEWITT GmbH shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at LEWITT's discretion either by repair or by exchanging individual parts or the entire appliance. Any defective parts removed from a product during the course of a warranty claim shall become the property of LEWITT GmbH.

While under warranty period, defective products may be returned to the authorized LEWITT dealer together with original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Please do not send your product to LEWITT GmbH directly as it will not be serviced. Freight charges have to be covered by the owner of the product.

For further information please visit www.lewitt-audio.com or check your warranty card.

CE

LEWITT GmbH declares under its sole responsibility that
LTS 240 Diversity D and LTS 240 Diversity C comply with the European R&TTE 99/5/EC. The product has been tested according to harmonized European standards:

EN300422-1 V1.3.2;
EN300422-2 V1.2.2;
EN301489-1 V1.8.1;
EN301489-9 V1.4.1;
EN60065:2002+A1:2006+A11:2008;
EN50371:2002

Product testing was carried out by EMCCert Dr. Rasek GmbH, notified body number: CE0678Ⓓ, registration number G108421A.

WEEE note: Electronic waste has to be collected separately. Please bring this device to a local recycling center at the end of its life time.

Manufacturers signature:

Date: 18th November 2010
Place: Vienna, AUSTRIA

DI Roman Perschon
CEO – Lewitt GmbH

Declaration of conformity can be downloaded at www.lewitt-audio.com or obtained from info@lewitt-audio.com.

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